Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/24/2018 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126019	0	2.06	126166	2.07
Blue	F	SSC	125000	124363	-1	2.05	125000	2.04
Blue	E	FITC	15760	15404	-3	3.06	333	23.05
Blue	D	PE	25880	25239	-3	2.10	549	17.02
Blue	B	PerCP-Cy5-5	34075	33917	-1	4.35	1035	22.50
Blue	A	PE-Cy7	22776	23138	1	7.42	558	44.70
Red	C	APC	42488	41653	-2	2.69	1573	13.43
Red	A	APC-Cy7	24478	24029	-2	2.86	824	13.25
Violet	B	V450	6304	6123	-3	4.15	347	18.12
Violet	A	V500	26005	24932	-5	3.69	586	13.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20925	9.47	609	12	N/A	N/A	Pass
Blue	F	SSC	56769	1.41	574	19	N/A	N/A	Pass
Blue	E	FITC	57	75.94	563	7	0.0146	166	Pass
Blue	D	PE	115	57.86	556	7	0.1211	279	Pass
Blue	B	PerCP-Cy5-5	196	56.13	655	8	0.0077	114	Pass
Blue	A	PE-Cy7	107	111.68	709	12	0.0093	27	Pass
Red	C	APC	372	27.86	601	1	0.0193	96	Pass
Red	A	APC-Cy7	201	28.78	571	0	0.0044	732	Pass
Violet	B	V450	57	81.54	494	5	0.0266	2597	Pass
Violet	A	V500	87	50.51	510	4	0.0119	1378	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.22	0.96
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	17.43	13.60 - 20.40	N/A	N/A	31.03	31.58	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13656

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments